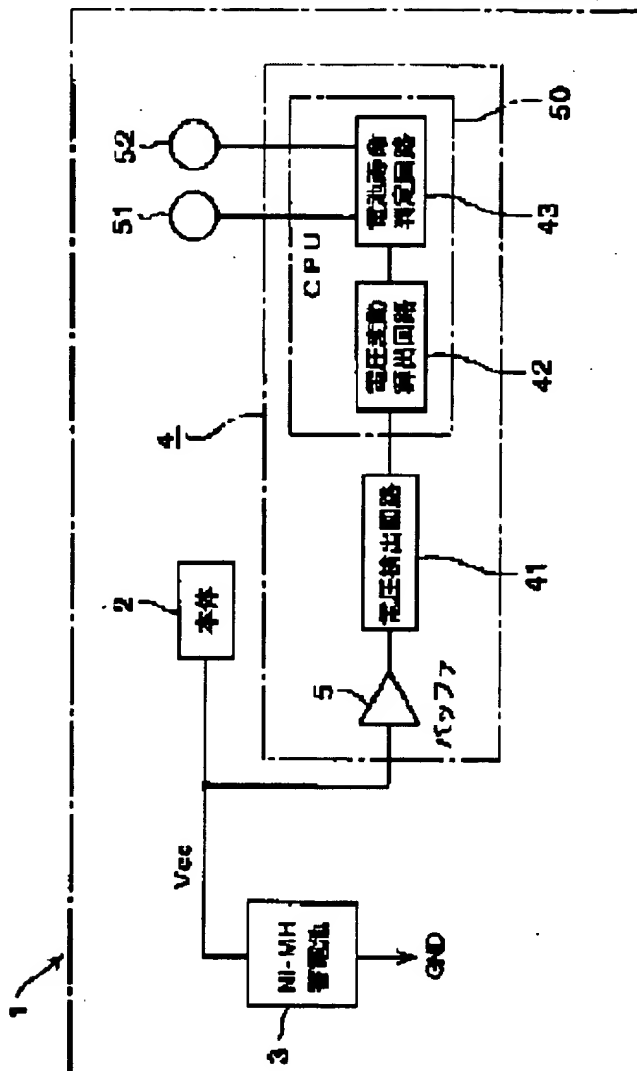


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## BATTERY LIFE DETECTING DEVICE

MITSUTOYO CORP

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### Abstract:

PROBLEM TO BE SOLVED: To provide a battery life detecting device capable of predicting the

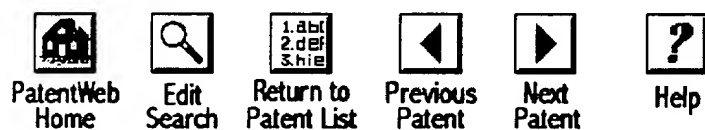
battery life of a secondary battery.

SOLUTION: A battery life detecting device 4 is provided with a voltage detecting circuit 41 which detects a voltage  $V_{cc}$  outputted from a secondary battery 3 every specified period, a voltage change calculating circuit 42 which calculates a voltage change value on the basis of a voltage of a secondary battery 3 which voltage is inputted to the voltage detecting circuit 41, and a battery life judging circuit 43 which judges the battery life on the basis of the voltage change value obtained by the voltage change calculating circuit 42. While a portable measuring apparatus 1 is used, the voltage  $V_{cc}$  which is supplied from the secondary battery 3 to a main body 2 is watched, and a charge and a discharge states of the secondary battery 3 are successively confirmed. As a result, the battery life of the secondary battery 3 can be predicted.

**Int'l Class:** G01R03136 H01M01048

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